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(12) **United States Patent**  
**Fukuoka**

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(54) **DIGITAL IMAGE CAPTURING DEVICE  
HAVING AN INTERFACE FOR RECEIVING A  
CONTROL PROGRAM**

(58) **Field of Classification Search** ..... 348/207.1,  
348/222.1, 373, 375, 231.99-231.9; 396/310,  
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See application file for complete search history.

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**H04N 5/225** (2006.01)

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(52) **U.S. Cl.** ..... **348/207.1; 348/231.99;**  
348/375

(57) **ABSTRACT**

A digital electronic camera which can accept various types of input/output cards or memory cards. When an I/O card is inserted into and connected with the camera, a processor within the camera determines the type of I/O card which has been connected by reading a memory location within the card. A control program which is contained in the I/O card is transferred to a memory within the camera in order for the camera to perform I/O functions which correspond to the type of the inserted card. Different types of I/O cards which may be used include a modem card, a LAN card, a SCSI card, or an ISDN interface. Image signals and audio signals are transmitted between the camera and an external processor, information describing the status of the camera is transmitted from the camera to the external processor, and commands to control the camera are transmitted to the camera from the external processor.

**75 Claims, 12 Drawing Sheets**

